

Supporting Information

Supercapacitive Performance of TiO₂ Boosted by Unique Porous TiO₂/Ti Network and Activated Ti³⁺

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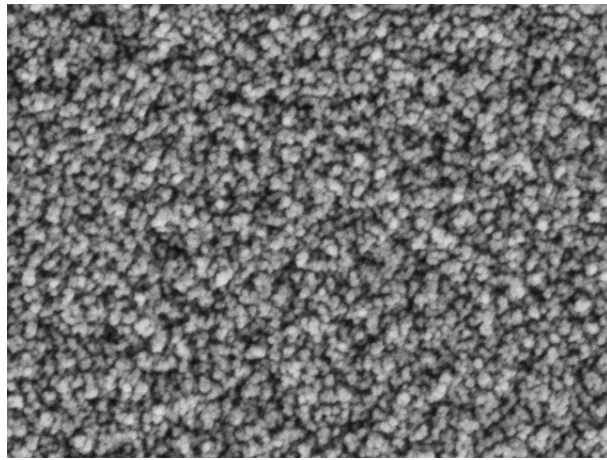


Fig. S1 FE-SEM image of Ti plate oxidized by simply immersed in H_2O_2 .

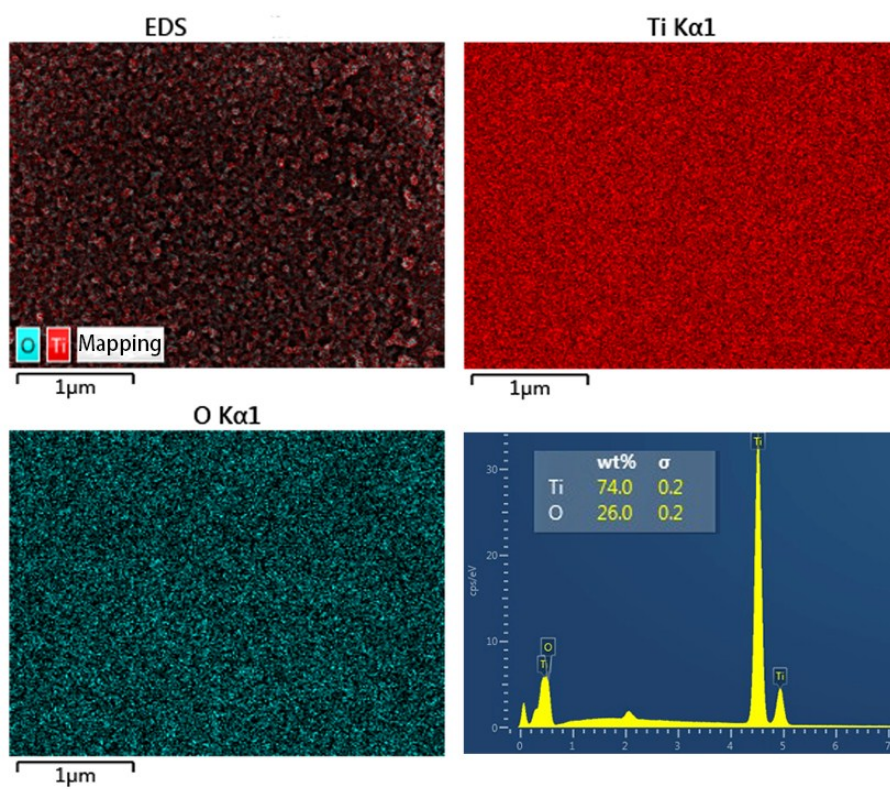


Fig. S2 EDS elemental mapping images of PTT.

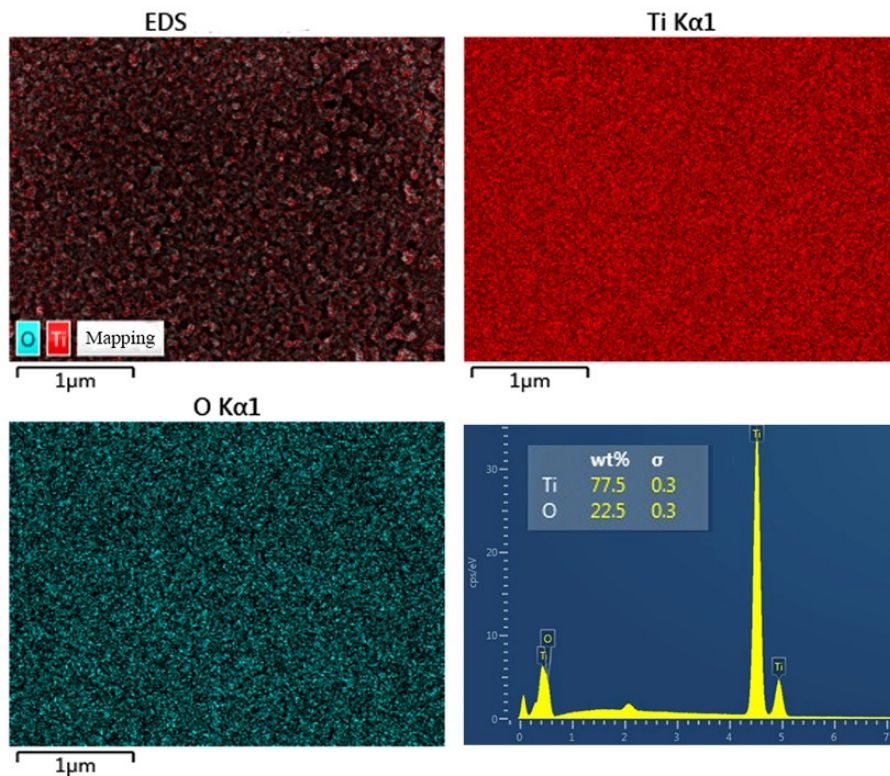


Fig. S3 EDS elemental mapping images of PTT reduced at 500 °C.

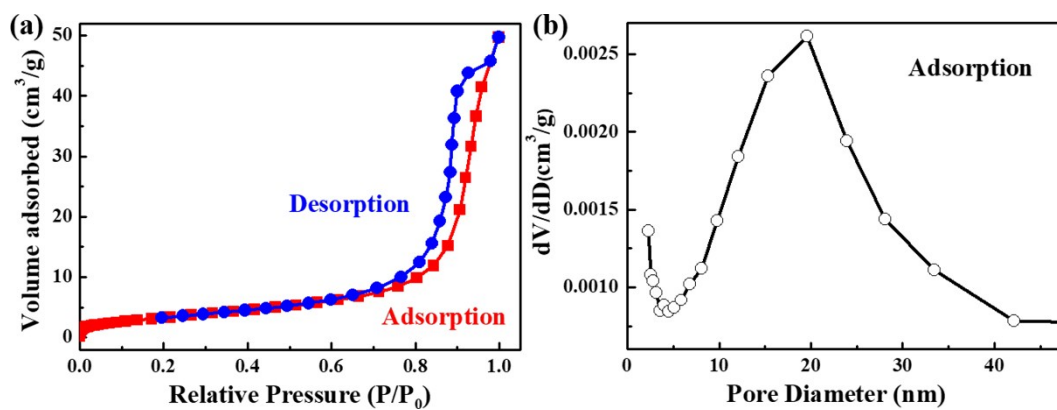


Fig. S4 (a) Nitrogen adsorption-desorption isotherm plots and (b) pore size distributions curve of PTT reduced at 500 °C

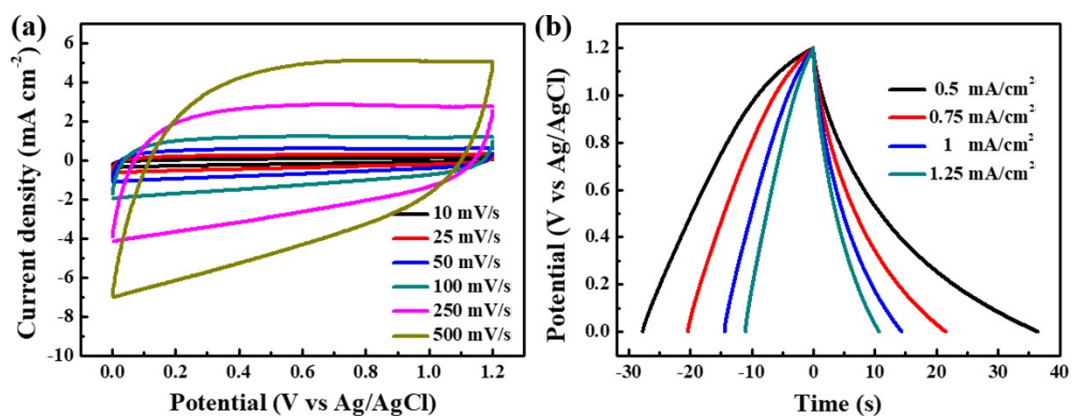


Fig. S5 (a) CV curves of Al-PTT-50//rGO device collected under different scan rates ranging from 10 to 500 mV s⁻¹. (b) GCD curves of Al-PTT-50//rGO device collected at different current densities ranging from 0.5 to 1.25 mA cm⁻².

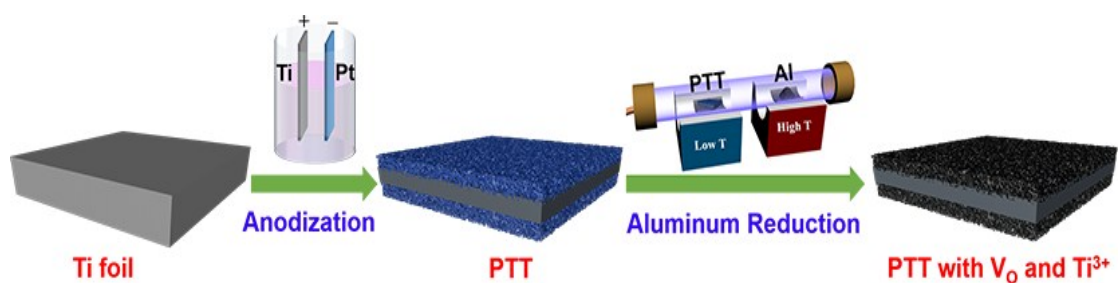


Fig. S6 Sketch of the synthetic route for the samples.